26. (Amended) A calculator, comprising:

(a) a display screen covered by a touch sensitive surface; and

(b) a processing circuit, coupled to the display screen and the touch sensitive surface, for recording movements of a pointing member as [it] the pointing member traces across the touch sensitive surface of the display screen, for recognizing the recorded movements of the pointing member on the touch sensitive surface of the display screen as characters, for converting the characters into one or more mathematical expressions comprised of operands and operators, for displaying the mathematical expressions on the display screen [so that all of the operands and operators are simultaneously displayed thereon], for performing calculations indicated by the operands and operators in the displayed mathematical expressions, and for displaying a result of the performed calculations on the display screen [, so that the result and the mathematical expression are simultaneously displayed thereon].

27. (Amended) A calculator, comprising:

(a) a display screen covered by a touch sensitive surface;

(b) means for recognizing handwritten input traced across the touch sensitive surface of the display screen, wherein the handwritten input comprises a mathematical expression and the mathematical expression is comprised of operators and operands;

(c) means for displaying the mathematical expression on the display screen [so that all of the operands and operators are simultaneously displayed] ;

(d) means for performing calculations indicated by the operators and operands in the displayed mathematical expression; and

(e) means for displaying a result of the performed calculations on the display screen [, so that the result and the mathematical expression are simultaneously displayed thereon].

3 2
~~28~~. (Amended) The calculator as set forth in claim ~~27~~ above, further comprising means for recognizing numbers from [the] a relative placement of [the] digits traced on the touch sensitive surface of the display screen, so that when the digits are traced horizontally in close proximity to one another on the touch sensitive surface of the display screen, they are considered to be a single number.

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4 2
~~29~~. (Amended) The calculator as set forth in claim ~~27~~ above, further comprising means for recognizing mathematical expressions traced horizontally and vertically on the touch sensitive surface of the display screen.

5 2
~~30~~. (Amended) The calculator as set forth in claim ~~27~~ above, further comprising means for computing a result for the calculations when [the user traces] a result operator is traced on the touch sensitive surface of the display screen.

6 2
~~31~~. (Amended) The calculator as set forth in claim ~~27~~ above, further comprising means for animating expressions on the [touch sensitive surface] display screen as they are being calculated.

7 2
~~32~~. (Amended) The calculator as set forth in claim ~~27~~ above, further comprising means for accepting corrections in the mathematical expressions, wherein the corrections are traced [by the stylus in] on the touch sensitive surface of the display screen.

8 2
~~33~~. (Amended) The calculator as set forth in claim ~~27~~ above, further comprising means for accepting marks traced [by the stylus] on the touch sensitive surface of the display screen to annotate and label the recorded movements.

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9 2

~~34~~. (Amended) The calculator as set forth in claim ~~27~~ above, further comprising means for accepting insertions in the mathematical expressions, wherein the insertions are traced [by the stylus] on the touch sensitive surface of the display screen.

10 2

~~35~~. (Amended) The calculator as set forth in claim ~~27~~ above, further comprising means for accepting deletions in the mathematical expressions, wherein the deletions are traced [by the stylus] on the touch sensitive surface of the display screen.

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36. (Amended) A method of performing calculations in a calculator having a display screen covered by a touch sensitive surface, and a processing circuit coupled to the [electronic input/output] touch sensitive surface and the display screen, the method comprising the steps of:

(a) recording movements of a pointing element in the processing circuit, as the [stylus is] pointing element is traced across the touch sensitive surface of the display screen;

(b) recognizing the recorded movements of the [stylus] pointing element as characters in the processing circuit;

(c) converting the characters into a mathematical expression [s] comprised of operands and operators in the processing circuit;

(d) displaying the mathematical expression on the display screen [so that all of the operands and operators are simultaneously displayed thereon] ;

(e) performing calculations indicated by the displayed mathematical expression [s] in the processing circuit; and

(f) displaying a result of the performed calculations on the display screen [, so that the result and the mathematical expression are simultaneously displayed thereon] .

12 11
~~37~~. (Amended) The method as set forth in claim ~~36~~ above, further comprising the step of recognizing numbers from [the] a relative placement of [the] digits, so that when the digits are traced horizontally in close proximity to one another on the touch sensitive surface of the display screen, they are considered to be a single number.

13 11
~~38~~. (Amended) The method as set forth in claim ~~36~~ above, further comprising the step of recognizing mathematical expressions traced horizontally and vertically on the touch sensitive surface of the display screen.

14 11
~~39~~. (Amended) The method as set forth in claim ~~36~~ above, further comprising the step of computing a result for the calculations when [the user traces] a result operator is traced on the touch sensitive surface of the display screen.

15 11
~~40~~. (Amended) The method as set forth in claim ~~36~~ above, further comprising the step of animating expressions on the [touch sensitive surface] display screen as they are being calculated.

16 11
~~41~~. (Amended) The method as set forth in claim ~~36~~ above, further comprising the step of accepting corrections in the mathematical expressions, wherein the corrections are traced [by the stylus in] on the touch sensitive surface of the display screen.

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~~42~~. (Amended) The method as set forth in claim ~~36~~ 11 above, further comprising the step of accepting marks traced [by the stylus] on the touch sensitive surface of the display screen to annotate and label the recorded movements.

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~~43~~. (Amended) The method as set forth in claim ~~36~~ 11 above, further comprising the step of accepting insertions in the mathematical expressions, wherein the insertions are traced [by the stylus] on the touch sensitive surface of the display screen.

19

~~44~~. (Amended) The method as set forth in claim ~~36~~ 11 above, further comprising the step of accepting deletions in the mathematical expressions, wherein the deletions are traced [by the stylus] on the touch sensitive surface of the display screen.

REMARKS

I. Introduction.

In response to the Office Action of September 15, 1995, claims 26-44 have been amended. Claims 26-44 remain in the case. Re-examination and re-consideration of the application, as amended, is requested.

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